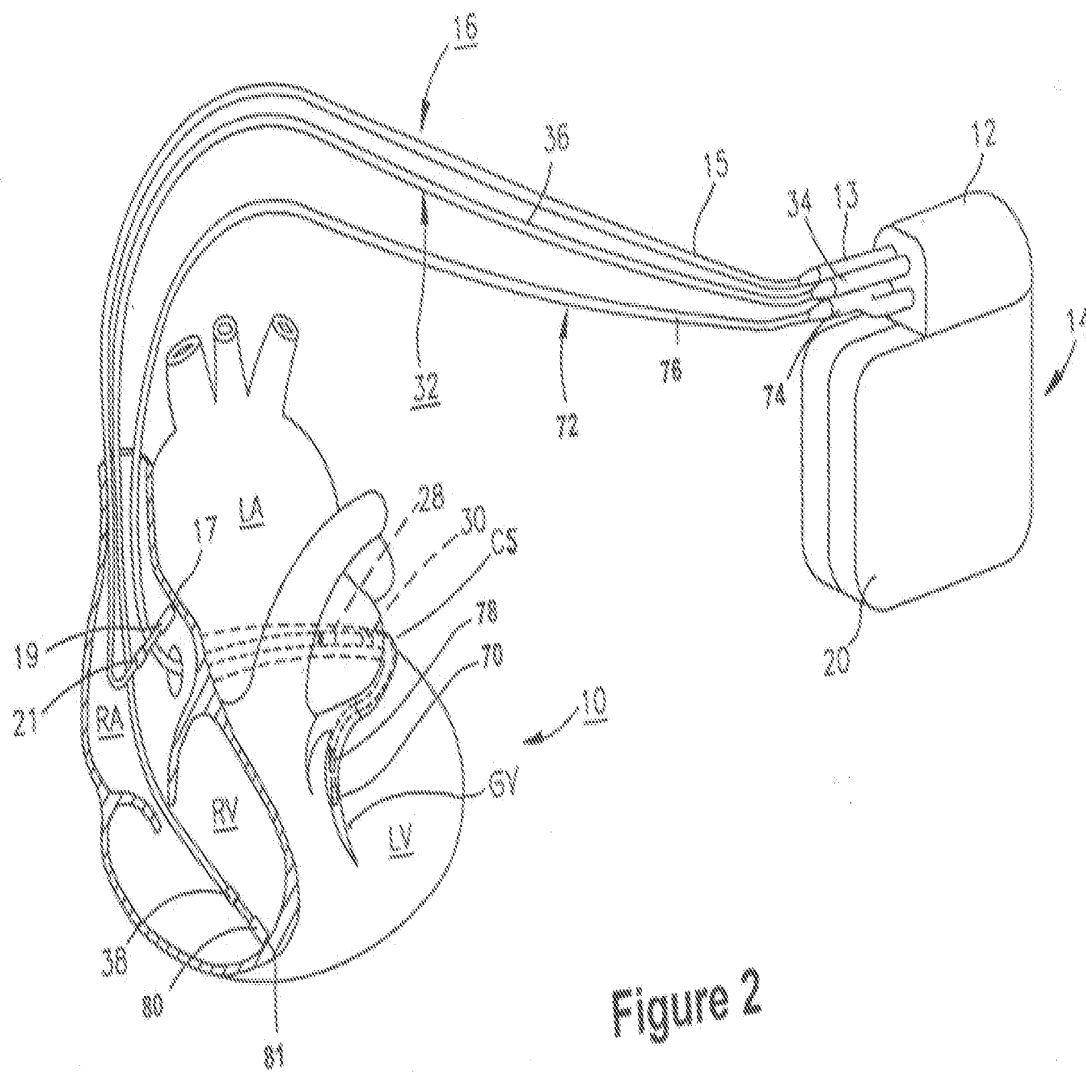


Figure 1



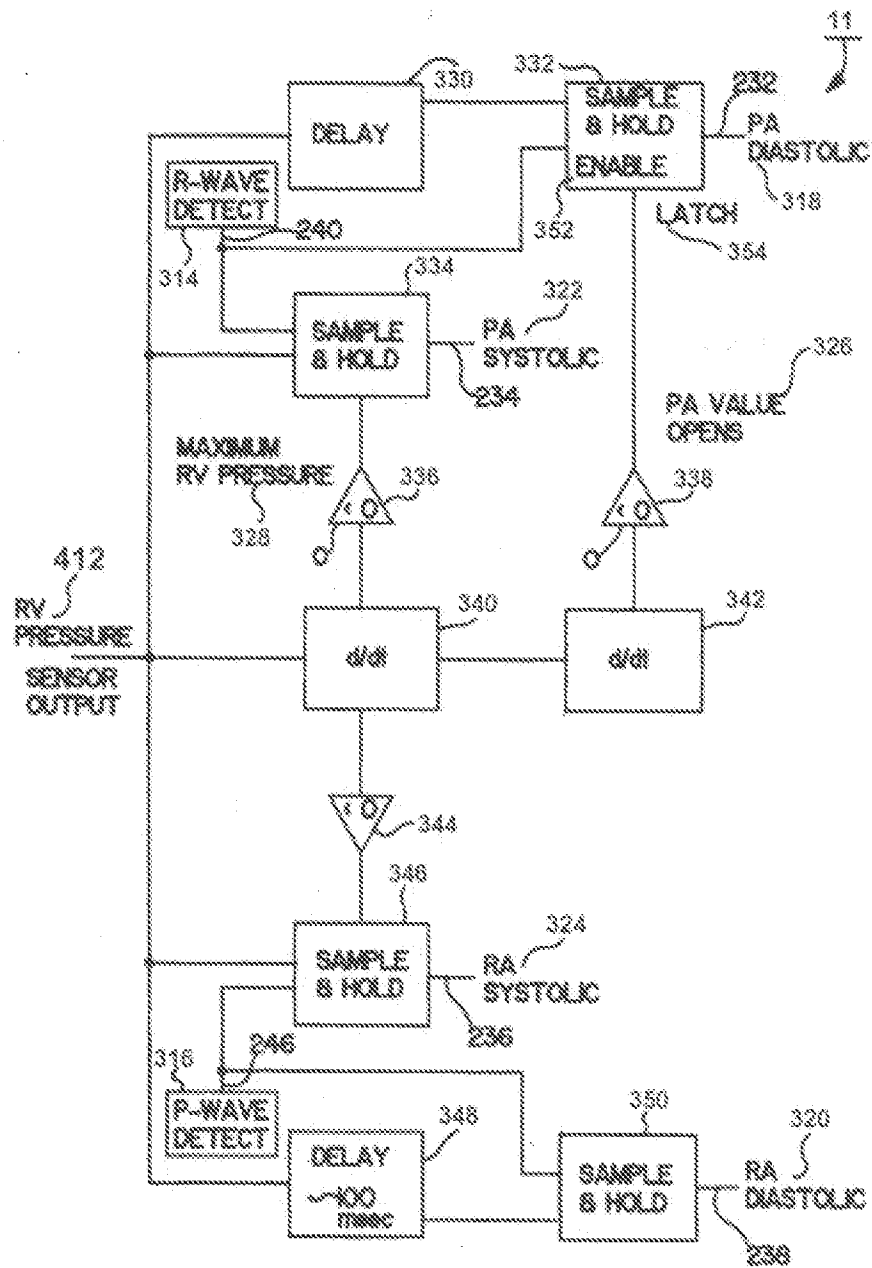


Figure 3

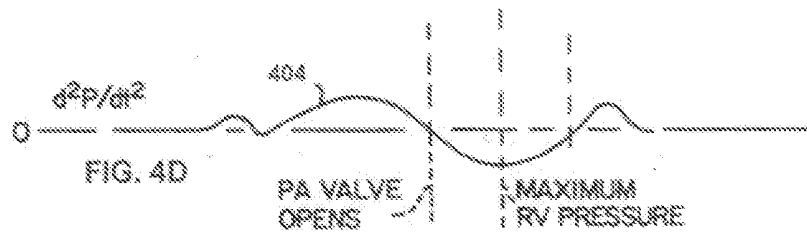
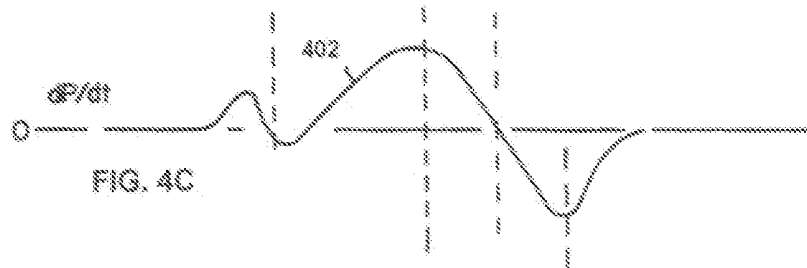
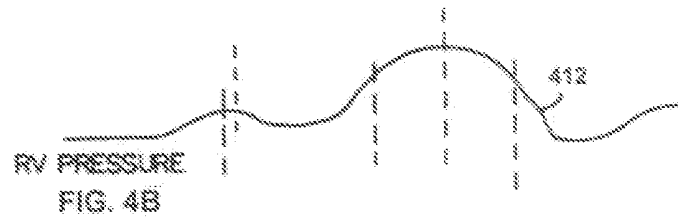
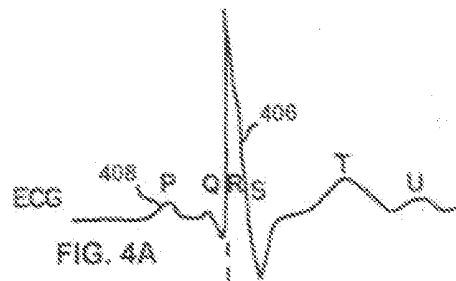


Fig. 5A



Fig. 5B

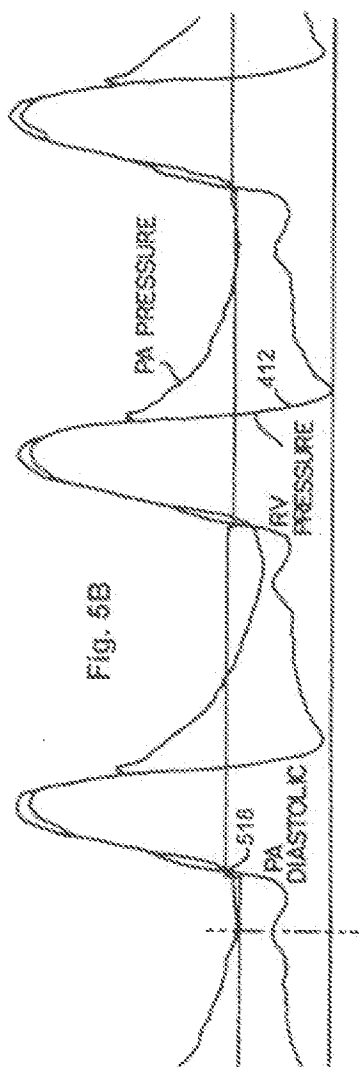
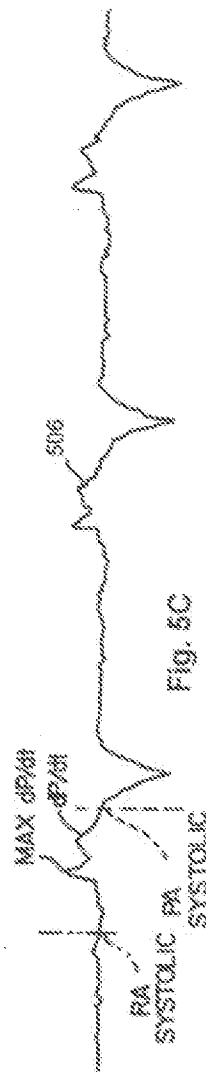


Fig. 5C



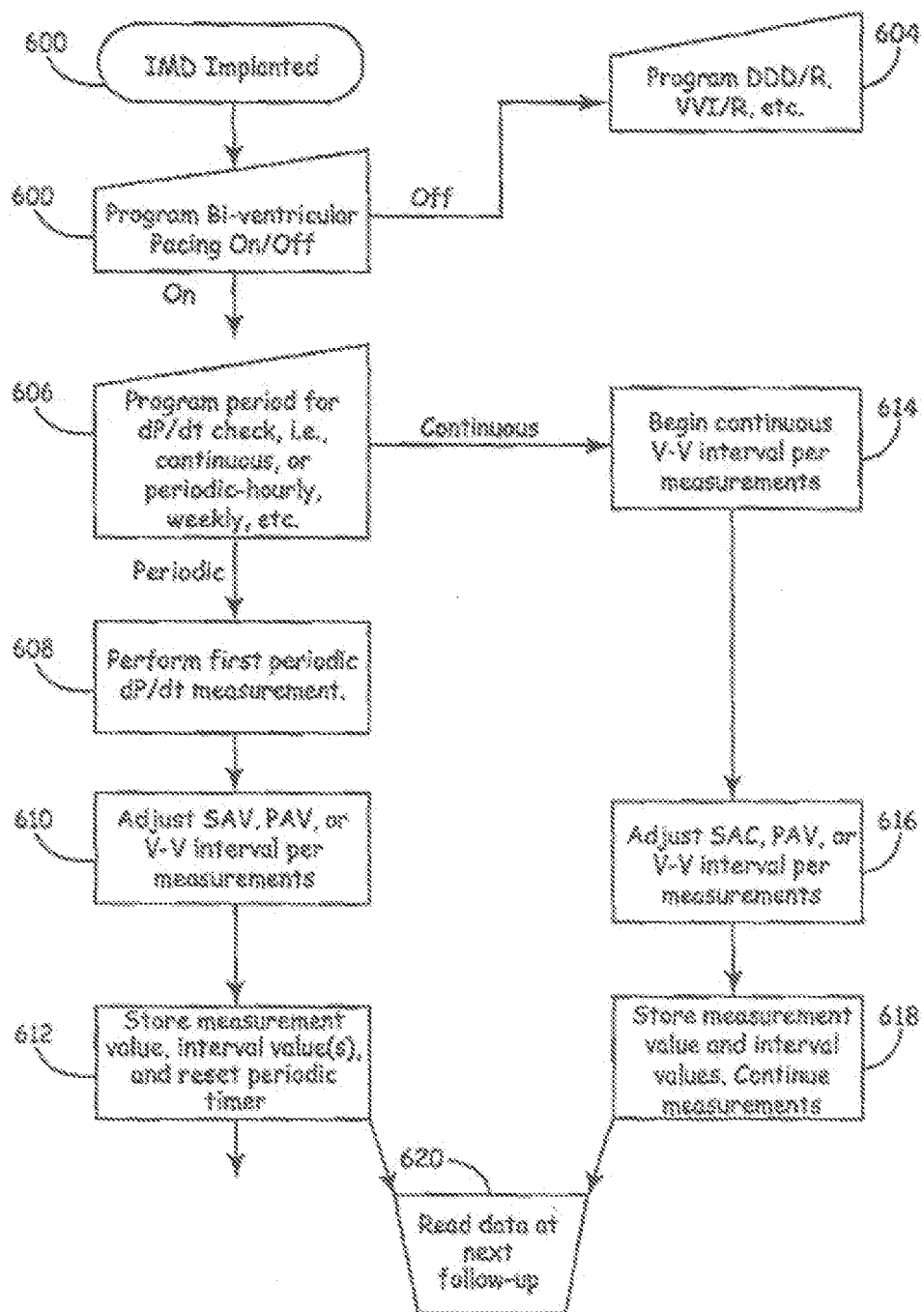


FIG. 6

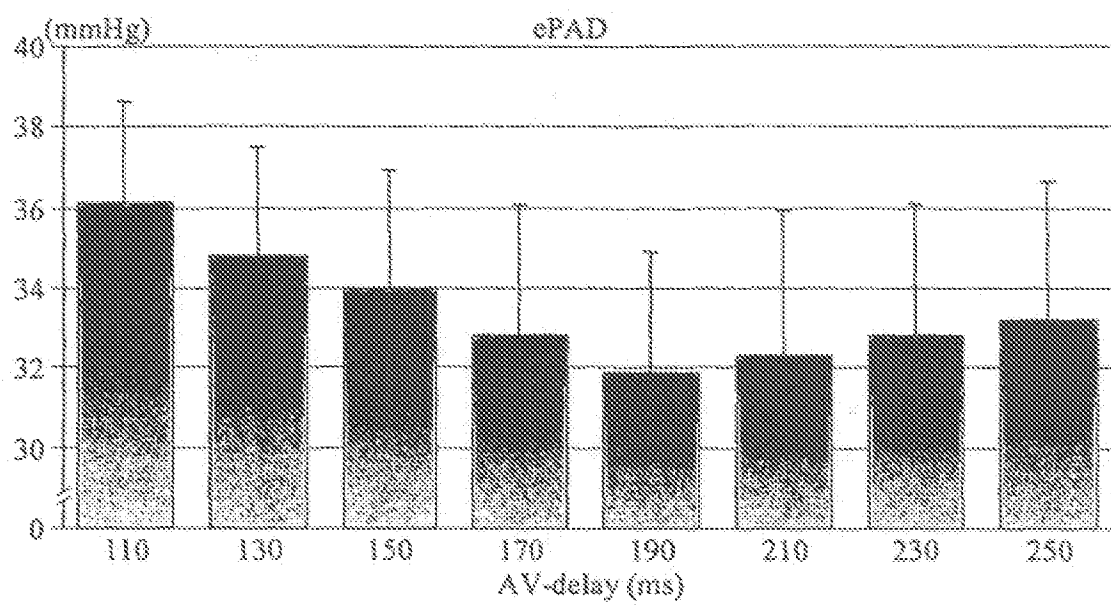


FIG. 7

Heart Rate optimization

HR (bpm)	RVSP (mmHg)	RVDP (mmHg)	RVPP (mmHg)	Pos dP/dt (mmHg/sec)	ePAD (mmHg)
Spont (40)	52.3	17.6	34.0	224.6	30.6
50	53.6	18.1	34.9	223.5	31.1
60	52.1	17.7	33.5	231.3	30.1
70	53.5	15.3	37.2	267.5	30.2
80	52.7	14.3	36.9	301.2	29.8
90	51.8	12.8	37.5	307.0	28.3
100	50.1	12.2	36.3	341.1	26.8
110	48.5	12.3	34.9	369.5	26.5

HR=heart rate, RVSP=right ventricular systolic pressure, RVDP=right ventricular diastolic pressure, ePAD=estimated pulmonary artery diastolic pressure, RVPP=right ventricular pulse pressure

FIG. 8

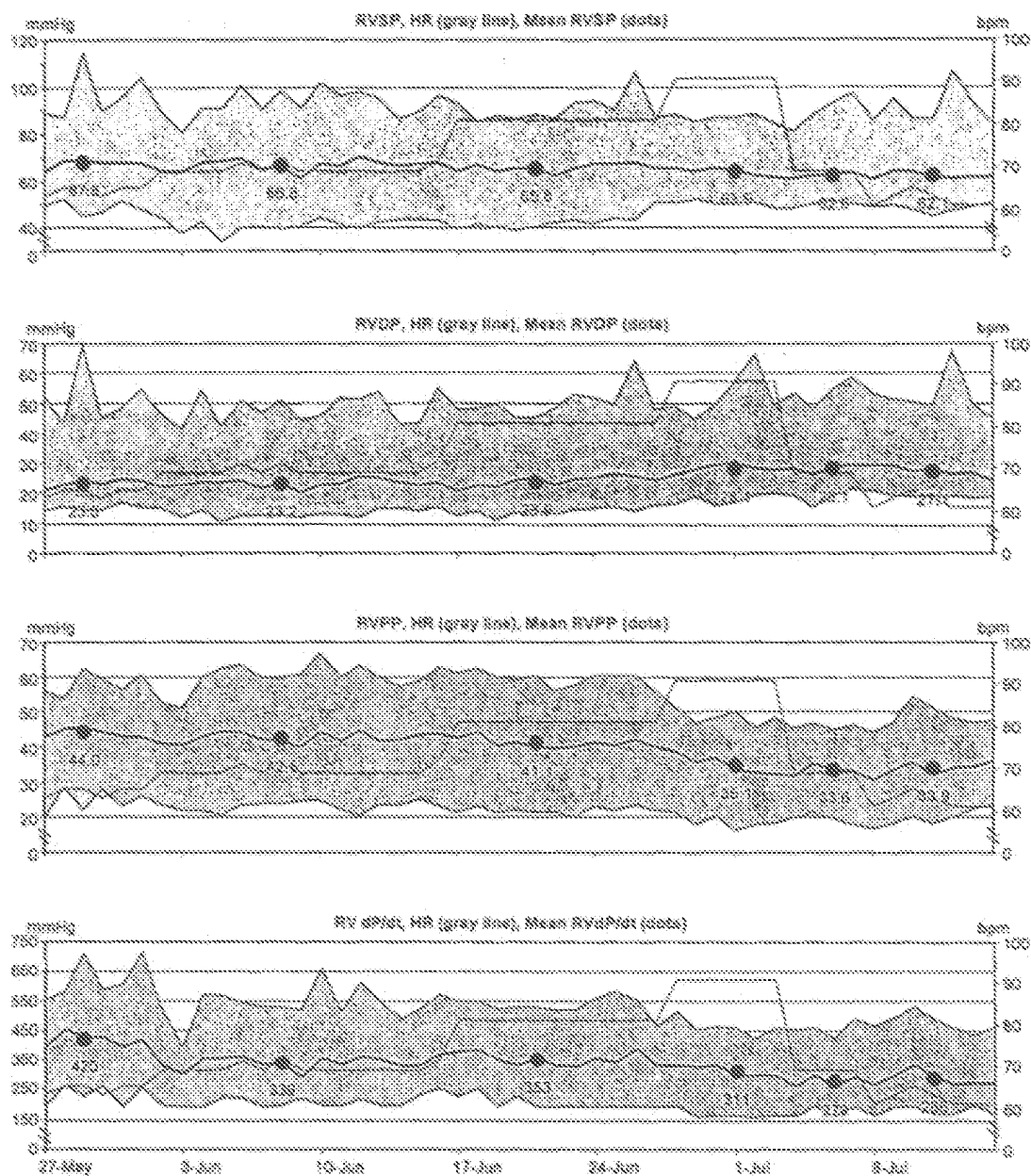


FIG. 9